



SNAP-IN INSULATED SHAFT SERIES METAL SHAFT SERIES/SPECIAL USE SERIES CODE EXPLANATION

插入型絕緣/金屬軸式編碼規則

RV 09 A X F - 40 E1 - 20 F X - B 5K - X X XXX
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1. Product Line

RV Rotary Potentiometer

2. Model

3. Structure Difference

4. Derivatives

5. RoHS Version

F indicates RoHS Compliance

6. Type of Terminal

Code	Type of Terminal
10	Solder lug
20	PC board (horizontal)
30	PC board (vertical);front
40	PC board (vertical);back

7. Type of Bushing

8. Shaft Length

9. Type of Shaft

10. Axis Angle of F-type Shaft

11. Pattern of Resistance Curve

12. Resistance Value

13. Materials & Methods for Manufacturing Shaft & Bushing

14. Number of Click

Code	Specification
0	None
C	Center Click
D	11 Positions click
E	21 Positions click
F	41 Positions click

15. Serial No.

訂單指定事項：

開立訂單時，用途請依下表記載予以指定製品之規格詳細記載並確認之。

項目：

1. 型號。
2. 公稱阻值及線性要求。
3. 軸型及長度。
4. 端子型式。
5. 段點的有無。
6. 中間抽頭的有無。
7. 音量用或其他。
8. 手焊錫或錫爐焊錫。

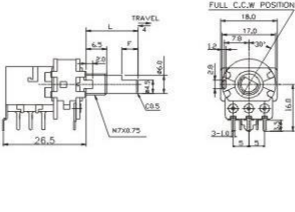
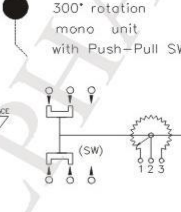
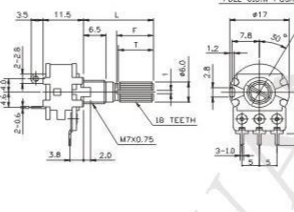
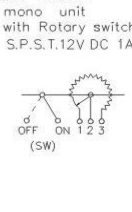
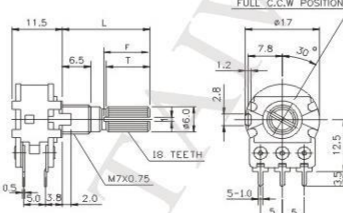
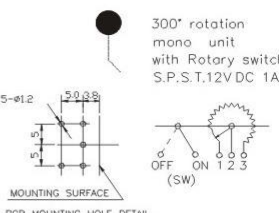
ORDERING INSTRUCTIONS

WHEN PLACING YOUR ORDER, PLEASE SPECIFY THE FOLLOWING ITEMS ACCORDING TO YOUR APPLICATION NEEDS. FOR MORE INFORMATION ABOUT OUR PRODUCTS, PLEASE REFER TO THE SPECIFICATION GIVEN ON THE FOLLOWING PAGES.

ITEMS：

1. MODEL.
2. NORMAL RESISTANCE VALUE AND TAPER.
3. SHAFT STYLE AND LENGTH.
4. TERMINAL STYLE.
5. WITH CLICK OR WITHOUT CLICK, CLICK POSITION
6. WITH TAP OR WITHOUT TAP, TAP POSITION.
7. FOR VOLUME CONTROL OR OTHER USE.
8. MANUAL SOLDERING OR DIP SOLDERING.

16mm METAL SHAFT WITH SWITCH SERIES

Model	Outline Drawing	Features / Individual Specification
RV16BF-20(D.P.D.T Switch) (S.P.D.T is also available) 	 Dual Gang(RV16B01F) is also available	 300° rotation mono unit with Push-Pull SW
RV16A04F-20 		 300° rotation mono unit with Rotary switch S.P.S.T.12V DC 1A
RV16A03F-20 		 300° rotation mono unit with Rotary switch S.P.S.T.12V DC 1A

SPECIFICATION

MECHANICAL
TOTAL ROTATION ANGLE
ROTATION TORQUE
SHAFT STOP STRENGTH
SWITCH WORKING ANGLE/STROKE
SWITCH WORKING TORQUE/FORCE
SWITCH CIRCUIT

RV16BF
300°±5°
20-200 gf.cm
6kgf.cm/Min.
4mm
800gf.cm Max.
D.P.D.T. S.P.D.T.

RV16A04F & RV16A03F
300°±5°
20-200 gf.cm
6kgf.cm/Min.
50°±10°
50-450gf.cm
S.P.S.T.

ELECTRICAL

RATED WATTAGE
RATED VOLTAGE
INSULATION RESISTANCE
DIELECTRIC STRENGTH
SWITCH CONTACT RESISTANCE
SWITCH RATING
ROTATION LIFE
SWITCH LIFE

Linear taper (B) other tapers
0.2W 0.1W
200V 150V
more than 100MΩ at 500V DC
500V AC, 1 minute
less than 20mΩ
30V DC, 0.3A
15,000 cycles
10,000 cycles

linear taper (B) other tapers
0.2W 0.1W
200V 150V
more than 100MΩ at 500V DC
500V AC, 1 minute
less than 50mΩ
12V DC, 1A
15,000 cycles
10,000 cycles

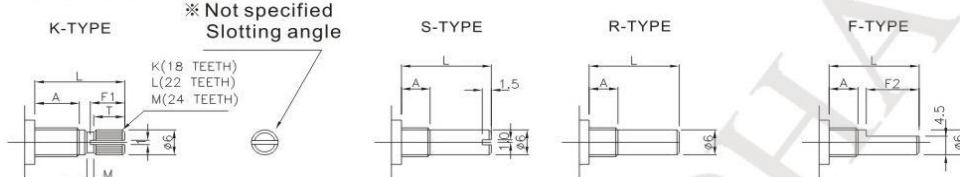
For Shaft & Bushing Dimension please refer to page(69)



12mm,16mm, 17mm, 24mm METAL SHAFT SERIES

STANDARD SHAFT, BUSHING, NUT AND WASHER DIMENSION

METAL SHAFT



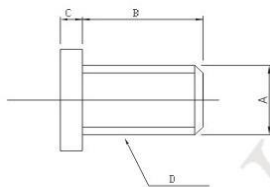
A: 5m/m

SHAFT-TYPE	L	10	15	20	25	30	35	40
K	F1	3.5	6.5	11	14	14	14	14
	T	3.2	6	10	12	12	12	12
	M	0.5	1	2	4	4	4	4
F	F2	4	7	12	14	14	14	14
R, S	L	10	15	20	25	30	35	40

A: 6.5m/m

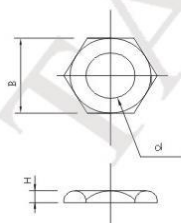
SHAFT-TYPE	L	10	15	20	25	30	35	40
K	F1	2.4	6.5	11	14	14	14	14
	T	2.2	6	10	12	12	12	12
	M	0.5	1	2	4	4	4	4
F	F2	2.5	7	12	14	14	14	14
R, S	L	10	15	20	25	30	35	40

BUSHING

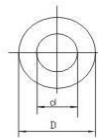


SERIES	RV24A	RV170	RV16A	RV060	RV120	RV122
A	ø8	ø7	ø7	ø9	ø7	7
B	6.5	5	6.5	7	7	7
C	2	1	1.4	0.7	3.3	3.3
D	M8x0.75	M7x0.75	M7x0.75	M9x0.75	M7x0.75	M7x0.75

NUT, WASHER



d	B	H
M6x0.75	8	2.0
M7x0.75	10	2.0
M8x0.75	11	2.0
M9x0.75	12	2.0
M10x0.75	14	2.0
3/8"32NEF	12.6	2.2



SERIES	d	D	H
M6	ø6.1	ø10	0.4
M7	ø7.1	ø12	0.4
M8	ø8.1	ø14	0.4
M9	ø9.1	ø14	0.4
M10	ø10.2	ø14.8	0.5
3/8"32NEF	ø9.7	ø16	0.4

AXIS ANGLE OF F-TYPE AND A-TYPE SHAFT



Standard Angle (for 300° rotation)

AXIS Angle	Symbol
	F00, (O)
105°	F01, (A)
120°	F02, (B)
135°	F03, (C)
150°	F04, (D)
165°	F05, (E)
	F06, (F)
15°	F07, (G)
30°	F08, (H)
45°	F09, (J)
60°	F10, (K)
75°	F11, (L)

AXIS Angle	Symbol
	F12, (M)
105°	F13, (N)
120°	F14, (P)
135°	F15, (Q)
150°	F16, (R)
165°	F17, (S)
	F18, (T)
15°	F19, (V)
30°	F20, (W)
45°	F21, (X)
60°	F22, (Y)
75°	F23, (Z)

Axis angle is shown in full counter clockwise position

Jameco Electronics Part# 2227111